

10/537489

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June 3, 2005

**MAIL STOP PCT**

Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

PCT/JP03/015415  
-filed December 2, 2003

Re: Application of Akitaka KIMURA  
SEMICONDUCTOR OPTICAL DEVICE HAVING QUANTUM WELL  
STRUCTURE AND MANUFACTURING METHOD THEREOF  
**Assignee: NEC CORPORATION**  
Our Ref: Q88348

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ a copy of the executed Declaration and Power of Attorney.
- ☒ an English translation of the International Application.
- ☒ 15 sheets of drawings.
- ☒ a copy of the executed Assignment and PTO 1595 form.
- ☒ a copy of the ISR.
- ☒ a PTO/SB/08 A & B (modified) listing the ISR/IPER references.
- ☒ a copy of each reference cited in the ISR/IPER.
- ☒ a Preliminary Amendment.
- ☒ a copy of the cover of WO 2004/051749
- ☒ **it is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f)**

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.



**Sughrue**

SUGHRUE MION, PLLC

10/537489  
JC17 Rec'd PCT/PTO 03 JUN 2005

National Stage Entry of PCT/JP03/015415

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The Government filing fee is calculated as follows after taking the Preliminary Amendment into consideration:

|                                  |           |   |           |   |                   |   |          |   |                   |                 |
|----------------------------------|-----------|---|-----------|---|-------------------|---|----------|---|-------------------|-----------------|
| Total claims                     | <u>15</u> | - | <u>20</u> | = | <u>          </u> | x | \$50.00  | = | <u>          </u> | \$0.00          |
| Independent claims               | <u>3</u>  | - | <u>3</u>  | = | <u>          </u> | x | \$200.00 | = | <u>          </u> | \$0.00          |
| Base Fee                         |           |   |           |   |                   |   |          |   |                   | \$300.00        |
| Search Fee*                      |           |   |           |   |                   |   |          |   |                   | \$400.00        |
| Examination Fee*                 |           |   |           |   |                   |   |          |   |                   | \$200.00        |
| <b>TOTAL FILING FEE</b>          |           |   |           |   |                   |   |          |   |                   | <u>\$900.00</u> |
| <b>Recordation of Assignment</b> |           |   |           |   |                   |   |          |   |                   | <u>\$ 40.00</u> |
| <b><u>TOTAL FEE</u></b>          |           |   |           |   |                   |   |          |   |                   | <u>\$940.00</u> |

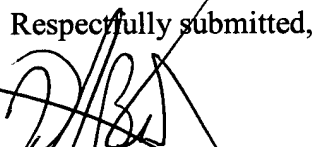
\* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

Checks for the statutory filing fee of \$900.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

| <u>Country</u> | <u>Application No</u> | <u>Filing Date</u> |
|----------------|-----------------------|--------------------|
| Japan          | 2002-351834           | December 3, 2002   |

Respectfully submitted,

  
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: June 3, 2005

The PTO did not receive the following  
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